



Product Evaluation

WIN1966 | 0215

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-1966

Effective Date: February 1, 2015

Re-evaluation Date: February 2018

Product Name: Series 120/130 Vinyl Picture Windows, New and Replacement Construction, Singles and Triples, Non-Impact Resistant

Manufacturer: Atrium Windows & Doors
9001 Ambassador Row
Dallas, TX 75247
(214) 637-2696

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 120/130 PW (FIN) Vinyl, Picture Windows; New Construction; (O)	LC PG50 (48 X 84)-FW	+50 / -50 psf
2	Series 120/130 PW (FINLESS) Vinyl, Picture Windows; Replacement Construction; (O)	LC PG50 (48 X 84)-FW	+50 / -50 psf
3	Series 120/130 PW (FIN) Vinyl, Picture Windows; New Construction; (O)	LC PG50 (72 X 72)-FW	+50 / -50 psf
4	Series 120/130 PW (FINLESS) Vinyl, Picture Windows; Replacement Construction; (O)	LC PG50 (72 X 72)-FW	+50 / -50 psf
5	Series 120/130 Triple PW (FIN) Vinyl, Picture Windows; New Construction; (O.O.O)	LC PG50 (109 X 77)-FW (MULL)	+50 / -50 psf

General Description (cont.):

System	Description	Label Rating	Design Pressure Rating
6	Series 120/130 Triple PW (FINLESS) Vinyl, Picture Windows; Replacement Construction; (O.O.O)	LC PG50 (109 X 77)-FW (MULL)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Glass Daylight Opening Size
1	48" x 84"	43-1/4" x 79-1/4"
2	48" x 84"	43-1/4" x 79-1/4"
3	72" x 72"	67-1/4" x 67-1/4"
4	72" x 72"	67-1/4" x 67-1/4"
5	109" x 77"	31-3/16" x 72-5/16"
6	109" x 77"	31-3/16" x 72-5/16"

Product Identification (Certification Label on Window):

System		
1- 6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	ADW-8
	Product Name	Series 130 PW (FPW, FTP, FWA, FWB, FWC, FW2) P I # 073-341
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1, 3	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 8 x 1-5/8" screws
	Fastener Location/Spacing	Drive fasteners around the entire window perimeter through the nail fin at 2" from each corner centerline and at 8" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2, 4	Type of Installation	Replacement Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Fasteners	Minimum No. 10 x 2-1/2" wood screws
	Fastener Location/Spacing	Drive fasteners through the head, sill, and jambs at 6" from each corner centerline and at 20" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Installation (cont.):

System		
5 (FIN)	Type of Installation	New Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Window Perimeter Fasteners	Minimum No. 8 x 1-5/8" drywall screws
	Window Perimeter Fastener Location/Spacing	Drive fasteners around the entire window perimeter through the nail fin at 2" from each corner centerline and at 8" on center thereafter.
	Mullion Clip Installation	Anchor the mullion at the top and bottom with mullion clips. Fasten each clip with two (2); No. 10 x 2-1/2" (minimum) wood screws.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
6 (NO FIN)	Type of Installation	Replacement Construction – Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Window Perimeter Fasteners	Minimum No. 10 x 2-1/2" wood screws
	Window Perimeter Fastener Location/Spacing	Drive fasteners through the head and sill at 6" from the corners of each fixed window. Drive fasteners through the jambs at 6" from each end and at 20" on center thereafter.
	Mullion Clip Installation	Anchor the mullion at the top and bottom with mullion clips. Fasten each clip with two (2); No. 10 x 2-1/2" (minimum) wood screws.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.